



OLENE S. WALKER  
Governor  
GAYLE F. McKEACHNIE  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES Division of Oil, Gas & Mining

ROBERT L. MORGAN  
Executive Director

LOWELL P. BRAXTON  
Division Director

Supervisor 1007

### Inspection Report Minerals Regulatory Program Report Date: September 15, 2004

**Mine Name:** Miller Rock/Bret Clark Mine

**Operator or Permittee Name:**

Hub Research and Development

**Permittee Mailing Address:**

377 W. 1500 S., Salt Lake City, UT 84115

**Inspector(s):** Paul Baker

**Other Participants:** None

**Permit Status:** Active

**Current Acreages:**

**Total Permitted (Bonded):** 5

**Total Disturbed:** About 2; Exact acreage unknown

**Permit number:** S/015/043

**Inspection Date:** July 2, 2004

**Weather:** Mostly clear, 90's

**Inspection Start Time:** Abt. 11:00 AM

**Inspection End Time:** Abt. 11:30

**Site location/Area Inspected (i.e. Pit #):**  
Entire area

**Surface Ownership:** BLM

**Mineral Ownership:** Fee

**Mineral Mined:** Humic shale

**Type of Mine:** Underground

Elements of Inspection	Evaluated	N/A	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (open shafts, adits, trash, signs, highwalls)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Explosives, magazines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Erosion Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Demolition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Backfilling and Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Purpose of Inspection:** This was a routine inspection with no specific purpose.

Inspection Date: July 2, 2004; Report Date: September 15, 2004  
Page 2 of 2  
S/015/043

**Inspection Summary:**

**2. Public Safety**

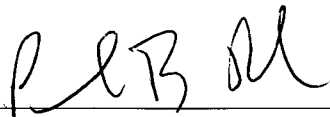
Since the last inspection, some rock has fallen on to the pad in front of the portals (Photo 1). There are a few places where additional rock looks like it is about ready to fall, but at Bret Clark's mine, I do not believe there is much danger to the public. There is some danger to the operator.

**3. Protection of Drainages**

There have been some storms in the area, and some of the sediment control structures need maintenance work (Photos 2 and 3). Photo 3 is a berm at the top of the hill leading down to the portal level. It keeps water that accumulates on a level above the portals from running down the hill then over the edge in front of the portals. This area has been a maintenance problem, and the operator may want to consider other drainage control options for this area.

**GPS data:** I did not take GPS data.

**Inspector's Signature**



**Date:** September 15, 2004

PBB:jb

Enclosures: Photo attachment

cc: Bret Clark, Operator

Dean Nyffeler, Price BLM (UTU-69857)

O:\M015-Emery\S0150043-BretClark\inspection\ins-07022004.doc



**ATTACHMENT  
Photographs**

**S/015/043, Miller Rock/Bret Clark, Hub Research and Development**

Inspection Dated: July 2, 2004; Report Dated: September 15, 2004



**Photo 1. A large piece of sandstone that has fallen on to the pad in front of the portals.**



**Photo 3. Part of a breached berm at the top of the hill above the portals. Sediment from this area ends up on the portal pad and down the outslope of this pad.**



**Photo 2. A silt fence in front of the portals, that needs maintenance. Much of this sediment comes from the area shown in Photo 3.**